

Adesuwa Erhunse

Mobile:

Email:

Country of Citizenship:

Highest Grade: 09

Availability: Job Type: Permanent

Temporary

Term

Detail

Seasonal

Summer

Recent Graduates

Multiple Appointment Types

Intermittent

Telework

Work Schedule: Full-Time

Part-Time

Intermittent

Job Sharing

Multiple Schedules

Desired locations: US - AL

US - AK

US - AS

US - AZ

US - AR

US - CA

US - WY

US - UM

US - UT

US - VT

US - VA

US - PR

US - RI

US - SC

US - WV

US - TN
US - WI
US - ND
US - MP
US - OH
US - VI
US - OR
US - WA
US - NV
US - NH
US - NJ
US - SD
US - NY
US - TX
US - MI
US - MN
US - MS
US - OK
US - MT
US - PA
US - KS
US - KY
US - LA
US - NM
US - MD
US - NC
US - GU
US - HI
US - ID
US - MO
US - IN
US - NE
US - CO
US - CT
US - DE
US - ME
US - FL
US - MA
DZ

AO
BS
US - IL
BW
US - IA
BI
CM
CV
US - DC
TD
US - GA
CG
CD
IV
BJ
GQ
BF
ET
GA
GM
CF
GO
KM
GW
JU
KE
DJ
LR
ER
MG
MW
ML
GH
MU
GN
MA
MZ
NA
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NG
LY
RW
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WS
MR
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EH
ZM
ZW
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SZ

Work Experience: Environmental and Sustainability Council

06/2010 - 08/2015

1515 South Martin Luther King Jr., Blvd.

Salary: USD Per Year

Frederick S. Humphries Science Research Center

Hours per week: 30

Supervisor: Richard Gragg, III PhD

Okay to contact this Supervisor: Yes

Tallahassee, FL 32307 US

Research Associate/ Assistant to Chairman Council

Duties:

KNOWLEDGE DEVELOPMENT: Research and identify national and international emerging sustainability transformation practices that can be implemented university-wide.

TECHNICAL GUIDANCE FOR FOCAL AREA DEVELOPMENT: Develop and implement an environmental literacy and awareness program with internal and external partners. Strengthen campus sustainable practices.

Relevant Accomplishments: + Provided recommendations to expand sustainability practices in water and energy use, food service practices, and facilities utilization and operation

+ Co-facilitated a national teach-in forum on climate variability and identified university system-wide measures to mitigate impacts

+ Collaborated with private and not-for-profit partners to create and promote a “Green and Live” campus campaign to encourage transition to sustainable energy practices

+ Summary report on the physical, biological, social and economic challenges and potential solutions related to sustainable ecosystem services and climate change at national conferences

Related Skills: Project management | Geographical Information Systems Platforms (ESRI suite including ArcGIS and key extensions and QGIS) | Graphic design (Adobe Creative Suite) | Infographics | Word processing (all Microsoft Office applications)

Columbia Environmental Research Center, USGS

06/2007 - 07/2010

United States Geological Survey, Columbia Environmental Research Center

Salary:

4200 New Haven Road

Hours per week: 40

Series: 1399

Pay Plan: GS

Grade: 09

Supervisor: Laverne Cleveland-Retired

Okay to contact this Supervisor: Yes

Columbia, MO 65201 US

Physical Scientist

Duties:RESEARCH AND METHOD DEVELOPMENT: Conduct independent research, method development, and analysis on various environmental science themes including but not limited to resource management and policy as it pertains to atmospheric, aquatic and terrestrial processes.

CONCEPTUAL ANALYTICAL AND EVALUATIVE: Data collection, management, statistical analysis and interpretation of research study results.

PLAN AND COORDINATE: Coordinate activities including but not limited to sampling events, laboratory experiments, and instrumentation analysis. Manage institutional grants and budgets for research supplies, equipment, training services, workshops, and travel to international conferences

and seminars.

Relevant Accomplishments: + Designed and performed a multi-tier 4 year science-base study integrating applied science with policy and management to support the ecological and economical relevance of a coastal ecosystem relied on by municipal, recreational, and subsistence users
+ Developed and validated 3 standard operating procedures (SOPs) for training on analytical techniques for assessing emerging compounds that have regional and global relevance to sustaining various natural resources
+ Authored a research study highlighting: (1) a baseline assessment for management and policy consideration and (2) a review on the sources, environmental fate and transport and global relevance of targeted emerging compounds in a marine ecosystem
+ 7 presentations on surveillance, transport, isolation from environmental media and management strategies of targeted emerging compounds in marine environments at international conferences
Related Skills: Statistical Packages (R and STATA) | Geographical Information Systems Platforms (ESRI suite including ArcGIS and key extensions and QGIS) | Spreadsheet modeling (Excel) | Data management (MS Access and MySQL) | Project management | Word processing (all Microsoft Office applications) | Environmental science and analytical chemistry instrumentation and analysis

Cntr for Healthy Options / Innovative Community Empowerment

09/2004 - 05/2007

School of Allied Health and Sciences | 334 Palmer Avenue

Salary:

Lewis-Beck Building Suite 306

Hours per week: 30

Supervisor: Richard Gragg III PhD and Cynthia Harris PhD

Okay to contact this Supervisor: Yes

Tallahassee, FL 32307 US

Research Coordinator Associate

Duties: RESEARCH AND ANALYSIS: Investigate social and environmental determinants of health disparities in rural communities.

PARTNERSHIP BUILDING AND TEAMWORK: Collaborate with an interdisciplinary research team on community partnerships and coalition building to create a model for addressing health disparities in rural communities.

Relevant Accomplishments: + Under an impending research grant deadline, developed and implemented a project plan to accelerate program priorities and objectives

+ Developed and introduced data management protocols to improve accuracy of clinical measurements. Monitored and evaluated field survey protocols, consent forms, and questionnaires for accuracy and completeness

+ Co-directed outreach activities to increase participation in rural communities for Pb exposure

assessments. Successfully, recruited 200 study participants

+ Collaborated on reports for presentation and grant compliance including adherence to the terms of deadlines for financial and reporting requirements; maintained up-to-date Institutional Review Board (IRB) requirements for two (2) institutions

Related Skills: Project management | Statistical packages (R, STATA and SAS) | Geographical Information Systems Platforms (ESRI suite including ArcGIS and key extensions and QGIS) | Word processing (all Microsoft Office applications) | Data management (MS Access, MySQL) | Chemistry instrumentation and analysis

United States Environmental Protection Agency

05/2004 - 08/2004

National Health and Environmental Effects Research Laboratory

Salary:

Atlantic Ecology Division, 27 Tarzwell Drive

Hours per week: 40

Pay Plan: GS

Grade: 09

Supervisor: Edward Dettmann, Ph.D.

Okay to contact this Supervisor: Yes

Narragansett, RI 02882 US

Research Biologist

Duties:CONCEPTUAL ANALYTICAL AND EVALUATIVE: Transform water quality resource management data into digital maps and energy calculations. Data acquisition, assembly, analysis, interpretation and presentation of nutrient inputs and ecological response of an estuary.

KNOWLEDGE DEVELOPMENT AND MANAGEMENT: Perform field and laboratory research supporting the regional monitoring initiative and coastal assessment work in the Narragansett Bay and Boston Bay Harbor. Maintain water quality impairment indicators database.

Relevant Accomplishments:+ Co-developed diagnostic tools to evaluate and determine causes of ecological

impairments to estuarine and marine water bodies

+ Produced a preliminary toxicity identification evaluation (TIE) of nutrients and pathogens exposures to benthic sediment organisms native to ecosystems in the Narragansett Bay watershed

+ Translated water quality / estuary impairment data into digital maps

+ Co-authored presentations on primary characteristics of water quality impairment in estuarine waters

Related Skills: Statistical packages (SPSS, R, and STATA) | Geographical Information Systems Platforms (ESRI suite including ArcGIS and key extensions and QGIS) | Word processing (all Microsoft Office applications)| Data management (MS Access, MySQL) | Environmental chemistry

instrumentation and analysis

Center for Environmental Equity & Justice (CEEJ)

01/2003 - 04/2004

1515 S Martin Luther King Jr. Blvd

Salary:

Tallahassee, FL 32307 US

Hours per week: 30

Supervisor: Richard Gragg, III PhD

Okay to contact this Supervisor: Yes

Research Associate

Duties: KNOWLEDGE DEVELOPMENT AND MANAGEMENT: Support interdisciplinary studies on environmental justice topics and STEM program development.

Relevant Accomplishments: + Geographical Information System (GIS) mapping, analysis and presentation on disproportional distribution of Brownfield spots in Northern Florida

+ Coordinated and participated in environmental justice action meetings within neighboring Leon County, Florida communities on various environmental issues (e.g. air and water quality and land-use designation)

+ Curriculum design and instruction of marine science and ecology, geographical information systems, environmental chemistry, and environmental health and policy activities for a NOAA funded science camp

+ Planned and organized monthly seminars for undergraduate and graduate students and co-organized outreach activities and the annual international CEEJ conference in STEM research areas

Related Skills: Project management | Statistical packages (SPSS and STATA) | Geographical Information Systems Platforms (ESRI suite including ArcGIS and key extensions and QGIS) | Word processing (all Microsoft Office applications) | Data management (MS Access)

School of the Environment (formerly) The Environmental Sciences Institute

09/2000 - 12/2002

1515 South Martin Luther King Jr., Blvd

Salary:

Frederick S. Humphries Science Research Center

Hours per week: 20

Supervisor: Richard Gragg, III, Ph.D.

Okay to contact this Supervisor: Yes

Tallahassee, FL 32307 US

Graduate Research Assistant

Duties:KNOWLEDGE DEVELOPMENT AND MANAGEMENT: Examine correlations between select environmental and socioeconomic variables and learning disabilities of youth offenders.

Relevant Accomplishments:+Teaching Assistant for Environmental Equity & Justice (undergrad); Environmental Chemistry Lab (undergrad & graduate); Environmental Toxicology & Human Health (undergrad & graduate)

+ Successful acceptance of and reporting compliance for three (3) Institutional Review Board (IRB) applications to conduct analysis on data from the Childhood Lead Poisoning Prevention and Surveillance Program (FL DOH) and Youth Offenders data (FL DOJ)

+ Recipient and management of two (2) graduate science research fellowships (The US EPA Graduate Fellowship and The Teresa Heinz Scholars for Environmental Research Fellowship) including financial and reporting requirements

Related Skills: Statistical packages (SPSS and STATA) | Geographical Information Systems Platforms (ESRI suite including ArcGIS and key extensions) | Word processing (all Microsoft Office applications) | Data management (MS Access)

Morehouse School of Medicine | The Agency for Toxic Substances and Disease Registry
06/2000 - 08/2000

Office of Urban Affairs

Salary:

1600 Clifton Rd., N.E.

Hours per week: 20

Supervisor: Rueben C. Warren DrPH

Okay to contact this Supervisor: Yes

Atlanta, GA 30333 US

Regional Research Assistant

Duties:CONCEPTUAL ANALYTICAL AND EVALUATIVE: Environmental surveillance on select hazard monitoring sites and human exposure and health effects.

Relevant Accomplishments:+ Developed an environmental e-map using ESRI ArcGIS: geo-mapping of select National Priorities List hazardous waste facilities and criteria air pollutants emissions at the Florida county level

+ Prepared an environmental quality assessment based on air emissions, wastewater disposal sites and select hazardous waste facilities data (1987-1997) for target Florida counties

Related Skills: Statistical packages (SPSS and STATA) | Geographical Information Systems Platforms (ESRI suite including ArcGIS and key extensions) | Word processing (all Microsoft Office applications) | Data management (MS Access)

Education:

Doctorate -

219 Semester hours

Major: Environmental Sciences

Minor: Policy and Risk Management

GPA:

Relevant Coursework, Licensures and Certifications:

Same as listed for Master's degree. Additional courses include: Geographical Information Systems; Ecological Risk Assessment; Climate Change and Environmental Impact; Analytical Methods in Pharmacology and Toxicology and Lab; Special Topics in Environmental Sciences; Supervised Research in Environmental Sciences

Master's Degree -

77 Semester hours

Major: Environmental Sciences

Minor: Policy and Risk Management

Relevant Coursework, Licensures and Certifications:

Environmental Research Design and Analysis; Environmental Risk Analysis; Principles of Ecology; Hazardous Materials Management; Principles of Environmental Law Practice; Environmental Resource Economics and Policy; Environmental Regulations and Regulatory Agency; Site Characterization and Soil Survey; Environmental Decision Making; Principles of Environmental and Occupational Health; General Chemistry and Lab, Organic Chemistry I and Lab; Organic Chemistry II and Lab

Bachelor's Degree -

128 Semester hours

Major: Criminal Justice

Minor: Environmental Sciences

Relevant Coursework, Licensures and Certifications:

Public Speaking; Introduction to Environmental Science; Environmental Risk Analysis I;

Environmental Ethics; Environmental Policy and Risk Management

Job Related Training: Professional Development Training Courses and Certifications:(1) Statistical Reasoning for Public Health: Estimation, Inference & Interpretation (8-week course)

(2) The Age of Sustainable Development (14-week course) Columbia University, Coursera,

(3) Introduction to Household Water Treatment and Safe Storage (5-week course)

(4)Climate Change in Four Dimensions: Scientific, Policy, International, and Social (10-week course),

(5) Writing The Grant Proposal, Professional development seminar

Languages: English

Spoken: Advanced

Written: Advanced

Read: Advanced

Professional Publications: Elliot, T., Aarons, M., Paul, D., Tshabe, E., Erhunse, A., Gragg, R. (2010) KXRF In Vivo Bone Lead Detector Energy Resolution and Performance. X-Ray Spectrometry.

Erhunse, A., Alvarez, D., Gale, R., Robinson, L., Gragg, R. (2010) Determination of Sampling Rates (Rs) of Perfluorinated Compounds with Polar Organic Chemical Integrated Sampler (POCIS), (USGS).

Erhunse, A. (2010) An Assessment of Perfluoro Alkyl Substances Bioavailability and Policy Implications for Water Quality and Biota in the Lower Apalachicola River and Estuary. Ph.D. Dissertation. Environmental Sciences Institute, Florida A and M University, Tallahassee, FL.

Dettman, E., Cooper, L., Mason, LH., Erhunse, A., Jacques, J., Rakauskas, R. (2006) Relationships between summer concentrations of total nitrogen and chlorophyll a in ten coastal systems in the eastern United States: New England Estuarine Society Spring Meeting, Hull, MA. (Proceedings, paper).

Erhunse, A. (2002) Implications of Elevated Blood Lead (Pb) Levels in Committed Juveniles for Environmental Health Risk Policies in the State of Florida. M.Sc. Thesis. Environmental Sciences Institute,

References: Richard Gragg, III, Ph.D.

Phone Number:
Email Address:
Reference Type: Professional

Larry Robinson, Ph.D.

Phone Number:
Email Address:
Reference Type: Professional

Laverne Cleveland
US Geological Survey, Columbia Environmental Research Center
Branch Chief, Field Station Research (Retired)
Phone Number:
Email Address:
Reference Type: Professional

Sekeenia Haynes, Ph.D.
University of Tennessee
Program Manager
Phone Number:
Email Address:
Reference Type: Personal

Additional Information: AWARDS AND RECOGNITION:

2010: Awarded 2nd Place in the Graduate Student Research Poster Competition by
Focus on the Environment Forum.

2009: Awarded 2nd Place in the 2009 Graduate Student Poster Competition by National Oceanic
Atmospheric Administration (NOAA)/Howard University 5th NOAA Educational Science Forum.

2006: Awarded 1st Place in the 2006 Graduate Student Poster Competition by
4th NOAA Educational Science Forum.

2005: Recipient of the Dean's Graduate Fellowship.

2002: Recipient of the Teresa Heinz Scholars for Environmental Research Graduate Scholarship.

2000-2002: Recipient of the United States Environmental Protection Agency MAI Graduate
Fellowship.

SELECT ORAL AND POSTER PRESENTATIONS

Treadwell, E., Gragg, R., Paul, D., Aarons, M., Tshabe, E., Erhunse, A. (2010) KXRF bone lead detector performance and energy resolution. European Conference on X-ray Spectrometry, Figueira Da Foz, Coimbra, Portugal.

Erhunse, A., Alvarez, D, Gale, R., Gragg, R., Robinson, L. (2010) Determination of kinetic rates of alternative ozone-depleting substances: Application of in situ passive sampling. Florida A and M University 2nd Annual Focus on the Environment Symposium, Tallahassee, FL.

Erhunse, A., Alvarez, D., Gale, R., Gragg, R., Robinson, L. (2009) A baseline assessment of spatial and temporal trends of perfluorinated alkyl substances in the Apalachicola River and Estuary. NOAA/EPP 5th Annual Education and Science Forum, Washington, DC.

Erhunse, A, Alvarez, D, Gale, R., Gragg, R., Robinson, L. (2008) An assessment of the bioavailability of poly- and perfluorinated alkyl substances (PFAS) and potential impacts to water quality and biota in a coastal ecosystem. Society of Environmental Toxicology and Chemistry North America 29th Annual Meeting, Tampa, FL.

Erhunse, A., Gragg, R., Johnson, E., Robinson, L. (2006) An assessment of perfluorinated organic compounds and potential impacts to water quality and biota in coastal ecosystem. American Geophysical Union, Fall Meeting, San Francisco, CA.

Dettman, E., Cooper, L., Mason, LH., Erhunse, A., Jacques, J., Rakauskas, R. (2006) Relationships between summer concentrations of total nitrogen and chlorophyll a in ten coastal systems in the eastern United States. AGU/ASLO/TSO Ocean Sciences Meeting, Honolulu, HI.

Henry, KM., Dettman, E., Mason, LB., Erhunse, A. (2005) Relationship between total nitrogen and planktonic chlorophyll a concentrations in estuaries and bays. 18th Biennial Conference of the Estuarine Research Federation, Norfolk, VA.

Dettmann, E., Henry, KM., Mason, LB., Erhunse, A. (2005) Relationships between nitrogen and chlorophyll a concentrations in estuaries and bays. New England Estuarine Research Society, Eastham, MA.

Dettman, E., Mason, LH., Erhunse, A., Henry, KM. (2005) Relationships between nitrogen loading and concentrations of nitrogen and chlorophyll in coastal embayments. Open Science Meeting on HABs and Eutrophication, Baltimore, MD.